

Encinitas CMLS: Rail Crossing Project List

Access improvements providing east-west connectivity across the rail corridor.

DRAFT: 11/9/2017

#	Name	Post Mile	Community	Improvement Description	Detailed Description ²	Phase	Planning-Level Cost Estimate Range	Notes	Planning-Level Cost Estimate	
									Low ³	High ³
0	Rail Corridor Trenching ¹	NA	All	Trench or Cut & Cover	Trench (low cost estimate) or Cut & Cover (high cost estimate) in two sections: Leucadia: North of Encinitas Blvd Cardiff: South of Santa Fe Dr	NA	\$300m / \$1596m		\$300,000,000	\$1,596,000,000
1	La Costa Ave	0.0	Leucadia	Crossing Improvement	Interim: New sidewalk from Vulcan Ave to Coast Hwy 101. Wider sidewalk (if possible) across bridge. Traffic calming along La Costa Ave on this segment to improve bike facility. Add more direct pedestrian path connecting Vulcan Ave to La Costa Ave	1	\$1.75m / \$7m		\$1,750,000	\$7,000,000
2	Bishop's Gate Rd	0.3	Leucadia	New Crossing	A new rail at-grade or undercrossing; pedestrian connection to Ashbury St; pedestrian crossing at Vulcan Ave/ Ashbury St; pedestrian connection to Coast Hwy 101 planned roundabout crosswalk.	3	\$2.4m / \$10.5m		\$2,400,000	\$10,500,000
3	Grandview St/ Hillcrest Dr	0.5	Leucadia	New Crossing	A new rail at-grade or undercrossing; pedestrian connections to Coral Cove Way and Hillcrest Dr; pedestrian crossing at Vulcan Ave/ Coral Cove Way and Vulcan Ave/ Hillcrest Dr; pedestrian connection to Coast Hwy 101 planned roundabout crosswalk.	1	\$2.1m / \$9.6m		\$2,100,000	\$9,600,000
4	Sanford St or Jupiter St	0.7 or 0.8	Leucadia	New Crossing	Sanford St: A new rail at-grade or undercrossing; pedestrian connection to Sanford St; pedestrian crossing at Vulcan Ave/ Sanford St; pedestrian connection to Coast Hwy 101 proposed crosswalk. Jupiter St: A new rail at-grade or undercrossing; pedestrian connection to N Vulcan Ave; pedestrian crossing at N Vulcan Ave; pedestrian connection to Coast Hwy 101 planned roundabout crosswalk.	2	\$2.4m / \$13.6m		\$2,400,000	\$13,600,000
5	Phoebe St or E Glaucus St	1.0 or 1.1	Leucadia	New Crossing	Phoebe St: A new rail at-grade or undercrossing; pedestrian connection to N Vulcan Ave; pedestrian crossing at N Vulcan Ave; pedestrian connection to Coast Hwy 101 planned crosswalk. E Glaucus St: A new rail at-grade or undercrossing; pedestrian connection to E Glaucus St; pedestrian crossing at N Vulcan Ave/ E Glaucus St; pedestrian connection at Coast Hwy 101/ W Glaucus St proposed crosswalk.	1	\$2.5m / \$14m		\$2,500,000	\$14,000,000
6	Leucadia Blvd	1.3	Leucadia	Crossing Improvement and Quiet Zone Improvements	New sidewalk on the south side of the rail crossing with a new crosswalk across Coast Hwy on the south side of the intersection. This crosswalk (south side) needs additional study to determine feasibility and/or trade-offs with traffic operations of the signal.	1	\$0.4m / \$0.8m		\$400,000	\$800,000
7	Daphne St or Basil St	1.5 or 1.7	Leucadia	New Crossing	Daphne St: A new at-grade or undercrossing; pedestrian connection to N Vulcan Ave; pedestrian crossing at N Vulcan Ave; pedestrian connection to Coast Hwy 101/ Daphne St planned crosswalk. Basil St: A new at-grade or undercrossing; pedestrian connection to N Vulcan Ave; pedestrian crossing at N Vulcan Ave; pedestrian connection to Coast Hwy 101/Basil St planned crosswalk.	2	\$2.5m / \$14m		\$2,500,000	\$14,000,000
8	El Portal St	1.9	Leucadia	New Undercrossing	Construction funded 2019.	NA	\$0m / \$0m			
9	Marcheta St/ Orpheus Ave	2.1	Leucadia	New Crossing	A new at-grade or undercrossing; pedestrian connection to Orpheus Ave; pedestrian crossing at Vulcan Ave/ Orpheus Ave; pedestrian connection to Coast Hwy 101/ Marcheta St planned crosswalk.	2	\$2.4m / \$10.5m		\$2,400,000	\$10,500,000

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									Low ³	High ³
10	A St/ Sunset Dr	2.4	Leucadia	New Crossing	A new at-grade or undercrossing; pedestrian connection to Sunset Dr; pedestrian crossing at Vulcan Ave/ Sunset Dr; pedestrian connection to Coast Hwy 101/ A St planned crosswalk.	1	\$2.5m / \$1.4m		\$2,500,000	\$1,400,000
11	Encinitas Blvd	2.5	Old Encinitas	Crossing Improvement	Upgrade bike lanes to protected bike lanes by reducing vehicle travel lane widths.	1	\$0m / \$0m			
12	Encinitas Station/ C St D St E St	2.6 2.7 2.8	Old Encinitas	Quiet Zone Improvements	Supplemental safety measures sufficient to achieve quiet zone status per FRA and CPUC requirements.	1	\$0.3m / \$0.7m		\$300,000	\$700,000
13	H St or I St	3.1 or 3.2	Old Encinitas	New Crossing	A new at-grade or undercrossing; pedestrian crossing at Vulcan Ave/H St or Vulcan I St.	3	\$2.6m / \$1.5m	Potentially infeasible	\$2,600,000	\$1,500,000
14	Santa Fe Dr	3.4	Cardiff	NA		NA	NA			
15	Verdi Ave	4.0	Cardiff	New Undercrossing	A new undercrossing; pedestrian connection to Verdi Ave; pedestrian crossing at San Elijo Ave/ Verdi Ave; pedestrian connection to Coast Hwy 101 proposed crosswalk.		\$2.3m / \$12m		\$2,300,000	\$12,000,000
16	Birmingham Dr	4.5	Cardiff	New Crossing	A new at-grade or undercrossing; pedestrian connection to Birmingham Dr; pedestrian crossing at San Elijo Ave/ Birmingham Ave; pedestrian connection to Coast Hwy 101 proposed crosswalk.		\$0m / \$0m			
17	Chesterfield Dr	4.7	Cardiff	Crossing Improvements	A new crosswalk across Coast Hwy on the south side of the intersection. This crosswalk needs additional study to determine feasibility and/or trade-offs with traffic operations of the signal.		NA		NA	NA
18	Norfolk Dr or Dublin Dr	4.8 or 4.9	Cardiff	New Crossing	Norfolk Dr: A new at-grade or undercrossing; pedestrian connection to Norfolk Dr; pedestrian crossing at San Elijo Ave/ Norfolk Dr; pedestrian connection to Coast Hwy 101 proposed crosswalk. Dublin Dr: A new at-grade or undercrossing; pedestrian connection to Dublin Dr; pedestrian crossing at San Elijo Ave/ Dublin Dr; pedestrian connection to Coast Hwy 101 proposed crosswalk.	3	\$2.9m / \$14m		\$2,900,000	\$14,000,000
							Trench Cost Range	\$300m / \$1595m	\$300,000,000	\$1,595,000,000
							Cost Range	\$25m / \$110m	\$25,000,000	\$110,000,000

Notes:

1. Trenching information is very tentative and subject to further refinement.

2. All pedestrian crossings on Vulcan Ave are assumed to include enhancements such as pop-outs, signage and lighting etc.

3. For all rail corridor crossings, the "Low" cost refers to at-grade and the "high" cost refers to grade separation/undercrossing.